



#### NOTES:

1. MODIFIED FROM PURCHASED PART #MAT15

SPECIFICATIONS:  
MODEL: SCHNEEBERGER MAT15, SPECIAL  
MATERIAL: STEEL, ELECTROLESS NICKEL  
PLATING AND DURALLOY

USABLE STROKE: 800mm  
EFFECTIVE STROKE: 820mm

PRECISION:  
STRAIGHTNESS: 10um / 800mm  
FLATNESS: 10um / 800mm  
ROLL: ±25 uRAD  
REPEATABILITY: 100um (BY-DIRECTIONAL) / 800mm

BALLSCREW:  
PITCH: 10mm  
PRECISION CLASS: 10um / 300mm, PRELOADED  
THREAD LENGTH: 1152mm  
TRANSLATION RESOLUTION: 10um  
MAX. SPEED: 50mm / SEC.

DIMENSIONS:  
OVERALL:  
LENGTH L: 1370mm  
WIDTH: 254mm  
HEIGHT: 90mm

BASE:  
LENGTH L: 1370mm  
WIDTH: 230mm  
HEIGHT: 40mm

UPPER:  
LENGTH L1: 250mm  
WIDTH B: 250mm  
HEIGHT: 30mm

RAIL LENGTH: 1300mm

OPTIONS:  
LIMIT SWITCHES: 2 END SWITCHES, PROXIMITY TYPE  
HOME SWITCHES: 1 LOCATED AT THE END OF TRAVEL  
ENCODER: OPTICAL, LINEAR, INCREMENTAL, FULL TRAVEL RANGE  
RESOLUTION: 1um  
OUTPUT: TTL COMPATIBLE  
COVER: BELLOWS, 47 FOLDS / SIDE  
VARIOUS: WITH COUPLING, COUPLING HOUSING AND NEMA SIZE 34  
MOUNTING ARRANGEMENT

OPERATING CONDITIONS:  
THIS LINEAR TRANSLATION TABLE WILL OPERATE AT 2° INCLINE FROM  
HORIZONTAL, AND FACING UP. THE LOADING WILL BE 60 LBS. APPLIED  
NORMAL TO THE MIDPOINT OF THE TABLE. THE AMBIENT OPERATING  
TEMPERATURE WILL BE APPROXIMATELY 20°C. THE LUBRICATION WILL  
BE APPLIED DIRECT.

TESTING AND INSPECTION:  
THIS TABLE IS TO BE ASSEMBLED AND INSPECTED BY THE MANUFACTURER.  
STRAIGHTNESS, FLATNESS, AND ROLL ARE TO BE MEASURED AT 20mm  
INTERVALS MINIMUM OVER THE FULL RANGE OF TRAVEL. AN INSPECTION  
REPORT IS TO BE SUPPLIED AT THE TIME OF SHIPPING OF THE COMPONENT.

2. DIMENSIONS IN BRACKETS [ ] ARE MILLIMETERS AND  
ARE FOR REFERENCE ONLY.

SOURCE

SCHNEEBERGER INC.  
11 DIANGELO DRIVE  
BEDFORD, MA 01730  
PHONE: (617)-271-0140  
FAX: (617)-275-6782

REV		QUANTITY	REVISION	SPECIFICATION TO BE COMPLETED		DATE	BY
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